


# kscbulletin



Fortieth Anniversary  
Pioneering the Future

National Aeronautics and  
Space Administration

No. 14-99 - April 9, 1999

John F. Kennedy Space Center  
Kennedy Space Center, Florida 32899

**Published weekly under the provisions of KMI 1590.2. Mail items to KSC Bulletin on KSC Form 7-121.**  
**All notices contained herein must comply with the nondiscriminatory principles of the Federal Equal Opportunity Program.**  
**Advertised items must be available without regard to race, color, religion, sex, age, national origin, or disability.**  
**URL: <http://www-lib.ksc.nasa.gov/lib/bulletin/bulletin.htm> (KSC only)**  
**Deadline for Official/Unofficial notices - Monday, 9 a.m.**

## OFFICIAL

**APRIL HEALTH EDUCATION AND WELLNESS PROGRAM—ENVIRONMENTAL HEALTH MONTH:** April's packet will include information on 1) preventing repetitive strain at the computer keyboard, 2) the Facility Asbestos Management System (FAMS), 3) keeping bottled water dispensers clean. (JJ-C)

**BLOOD PRESSURE & COLORECTAL CANCER SCREENING:** Screening for high blood pressure (BP measurement) and colorectal cancer kits (Hemoccult slides) are available at all medical facilities during hours of operation. (JJ-C)

**VISION SCREENING :** 2<sup>nd</sup> and 4<sup>th</sup> Tuesday of each month, 11:00 a.m. to 1:00 p.m. at the Occupational Health Facility. (JJ-C)

**THE 1999 KSC ALL AMERICAN PICNIC** will be held on Saturday, April 10, from 10:00 a.m. to 4:00 p.m., at KARS Park 1. **Tickets** are now on sale at all KSC NASA Exchange Retail Stores—\$4.00 for adults (age 13 and up) and \$3.00 for children (ages 3 to 12). Don't miss the **Children's Carnival:** The KSC "Spaceman" will be there; eight ponies to ride; putt-putt golf; games and prizes; Shriner Clowns; Daddy's Choo Choo Train Ride; a carousel; moonwalk, kiddy swings; face painting; a model rocket launch demonstration; ice cream, sno cones, cotton candy and popcorn. **Family Sports** will feature: Golf Closest to the Pin; Basketball Free Throw and 3 Point Shot Contests; Street Hockey Shootout; Horseshoes; Bingo and Adult-Child Team Relay Races. There will be a **Kids Fishing Tournament** (with prizes!) for those 14 and under. A **Wildlife Encounter**, featuring Thunderhawk—Big Cat Rescue, will present shows at 11:00 a.m., 1:00 p.m. and 2:30 p.m. There will also be a Petting Zoo. To celebrate the diversity of our KSC community, come join in the **All American Cultural Cuisine Cook-Off.** The **Car Show** will feature antique, stock, street rods, custom cars, and antique gas engines. Don't miss the great **Entertainment** at this year's Picnic: Max Q, the Astronaut Rock Band; El Trapiche—an authentic Puerto Rican Latin band; Dan Keenan—KSC's own acoustic folk/pop artist; Chemistry—one of Florida's best Jazz bands; Bravo Hotel, KSC's award winning rock and blues performers; Community Band of Brevard—a 60 piece orchestra; Native American Drums and Dance—from the northwest; a stunning karate performance; and the Praise Fellowship Mass Choir—African American gospel at its finest. Don't miss the Barbershop Quartet and Bagpipers strolling throughout the park; and the chance to meet several NASA Astronauts. More detailed information can be found on the Picnic Web Site, located on the KSC Internal Home Page. See you there! (PH-E)

**CONSTRUCTION NOTICE:** Paving of Kennedy Parkway south, northbound lanes, from Gate 2 to 5<sup>th</sup> Street and the intersection at "E" Avenue and NASA Parkway, will be under construction starting in the month of April. The contract runs for 90 days. There will be impacts to the flow of traffic in these areas between the hours of 8:30 a.m. and 3:00 p.m. daily. Please use caution in these areas while the repairs are being accomplished. (FF-D1-A)

**OFFICIAL SHUTDOWN NOTICE:** The Official Shutdown date for the Central Data Subsystems (CDS) computers, located in the LCC, will be June 30, 1999. All CDS users should begin the transition to the Shuttle Data Center (SDC) immediately. For questions or assistance, contact CDS/SDC Control Room at 861-0707. (PK-K-A)

**LEAVE TRANSFER RECIPIENT:** Mary Jane McFarland, NN-M, has been approved as a leave transfer recipient. Personnel interested in donating leave may obtain the necessary forms in the NN Admin Office located in the SSPF, Room 3006H, or in HM-A-3, located in HQ, Room 1404. (NN)

**EMPLOYEE ASSISTANCE PROGRAM:** All employees are reminded the Employee Assistance Program offers free, confidential counseling to all Kennedy Space Center and Cape Canaveral Air Station employees. Appointments are necessary to ensure adequate time. This program is available Monday through Friday, 7:30 a.m. to 4:00 p.m. Appointments may be made by calling 867-7398. (JJ-C)

**KSC LIBRARY:** The following documents are available for loan from the KSC Documents Library, HQ, Room 1124. Standards are available for reference use in the KSC Documents Library.

ANSI-MH27.1-96:	American National Standard for Patented Track Underhung Cranes and Monorail Systems Specs.
ANSI-Z540-2-97:	U.S. Guide to the Expression of Uncertainty in Measurement
FLA-DOT-625-00-005/006:	Plans Preparation Manual
NASA-CP-208986:	Intelligent Agents and their Potential for Future Design and Synthesis Environment
NASA-CP-209006:	New Space Industries For The Next Millennium
NASA-CP-209092:	NASA Microgravity Materials Science Conference
NASA-CR-208540:	Final Report on Prototype Local Data Integration System and Central Florida Data Deficiency
NASA-CR-208647:	Summary Report of Mission Acceleration Measurements for STS-87
NASA-CR-208677:	International Space Station Cathode Life Testing Status
NASA-CR-208872:	Probabilistic Structural Analysis Methods (PSAM) for Select Space Propulsion System Components
NASA-SP-6108:	Phase 1 Program Joint Report
NASA-TM-206304:	Thermal Environmental Testing of NSTAR Engineering Model Ion Thrusters
NASA-TM-208541:	Debris/Ice/TPS Assessment and Integrated Photographic Analysis of Shuttle Mission STS-95
NASA-TM-208822:	Low-Power Ion Thruster Development Status
NASA-TM-208894:	Surface Nuclear Power for Human Mars Missions
NASA-TM-208972:	Effective Thermal Conductivity of High Temperature Insulations for Reusable Launch Vehicles
NASA-TM-209100:	International Space Station Attitude Control and Energy Storage Experiment: Effects of Flywheel Torque
NASA-TM-209147:	Measurement of Plastic Stress and Strain for Analytical Method Verification
NASA-TM-209148:	NDE Process Development Specification for SRB Composite Cap
NASA-TP-209038:	Quasi-Static Probabilistic Structural Analyses Process and Criteria
RTO-MP-17:	Qualification of Life Extension Schemes for Engine Components
RTO-MP-18:	Fatigue in the Presence of Corrosion
RTO-TR-4:	Cervical Spinal Injury from Repeated Exposures to Sustained Acceleration
RTO-TR-7:	Alternative Control Technologies
WRTB-0002-97:	Wire Rope Sling Users Manual (FF-S2-A)

**VOLUNTARY EARLY OPTIONAL RETIREMENT (VERA):** VERA is effective through September 30, 1999. This authority was granted with the understanding that there would be no coercion of employees and that wherever possible, vacancies created by retirement will be used to ease the impact of organizational changes brought about through reinvention of the Federal government. Employees who are at least 50 years of age and have completed 20 or more years of creditable service and employees who, regardless of age, have completed 25 or more years of creditable service are eligible for VERA. Annuities of CSRS employees under age 55 will be reduced by 1/6th of 1% for each full month they are under age 55. The annuity will not increase when age 55 is attained. To schedule an appointment, interested employees should contact Marie Donat, 867-3620. (HM-A-3)

**FEDERAL EMPLOYEES HEALTH BENEFITS EXTENSION OF COVERAGE:** The Federal Employees Health Benefits Amendments Act (PL 100-654) has provided separated employees, certain dependent children, and former spouses the option of keeping their Federal Employees Health Benefits (FEHB) plan for specific periods of time. Under the provisions, employees who leave the Government, either voluntarily or involuntarily, are eligible to continue FEHB coverage for 18 months if (1) the employee was enrolled in the FEHB at time of separation; and, (2) the employee was NOT fired because of "gross misconduct." This includes employees who retire and are not eligible to continue FEHB coverage as annuitants. Children who become age 22 and ex-spouses may continued coverage for up to 36 months provided they had coverage under a Federal employee at the time of the event. These individuals have continuation of coverage for 31 days at no cost to them. However, within 60 days of the event, they must submit paperwork to continue their FEHB. For more information, contact one of the following benefits personnel: Kathy McIntosh, 867-2504 or Sharon Lowry at 867-2514. (HM-PER-3)

**EMAIL USERS:** Email is an informal communication and is not to be used as the primary way to document official Agency business. Should official business be transacted using this system, hardcopy documents of the email messages must be produced along with transmission and receipt data, directories, and distribution lists. They must be filed, maintained, and disposed of in accordance with NPG 1441.1 (as revised), NASA Records Retention Schedule. After the hardcopy has been produced, messages may be deleted from the email system. For more information, see NASA Headquarters CIO Executive Notice 12-96, 2/20/96. (FF-S2-A)

**ATTENTION ALL CIVIL SERVICE EMPLOYEES REPRESENTED BY AFGE LOCAL 2498:** Employees represented by AFGE Local 2498 are advised of their right to union representation at any examination of them, in the unit, by a representative of the employer, in connection with an investigation if: (1) The employee reasonably believes that the examination may result in disciplinary action against the employee, and (2) the employee requests representation. This right is conferred by Section 7114 (a) (2) (B) and (3) of Chapter 71, Title 5, U.S.C., and is also contained in Article 4, Section 2, of the Negotiated Agreement. Under Article 5, Section 3, of the Agreement, the Union also has the right to be represented at any formal discussion between representatives of the employer and unit employees, or their representatives, concerning grievances, personnel policies or practices, or conditions of employment. (HM-A-3)

**PEDESTRIAN SAFETY:** Pedestrians crossing roadways on Kennedy Space Center are reminded to yield the right-of-way to all vehicles when crossing the roadway at a point not within a marked crosswalk. Motorists are reminded to yield the right-of-way to pedestrians crossing the roadway in a marked crosswalk when the pedestrian is on the half of the roadway the vehicle is traveling, or when the pedestrian is approaching so closely as to be in danger. (FF-S1)

**SHUTTLE BUS CAUTION:** Passengers exiting and crossing in front of Shuttle Buses are in danger of being struck by oncoming vehicles passing the stopped Shuttle Buses. Passengers are cautioned to be alert for oncoming traffic, and vehicle operators should use extreme caution when passing stopped Shuttle Buses and yield to pedestrians. (EI)

**ORDERING BLANK FORMS/PUBLICATIONS:** All requests for blank forms and publications should be submitted on KSC Form 7-11 to the Forms Warehouse (mailcode: "FORMS WAREHOUSE"). Allow approximately 5 working days to receive the requested material. Any requests for emergency or work-stoppage forms will be handled by Forms Control by calling 867-3590. Customers should not go directly to the warehouse to pick up forms without calling Forms Control first. Customers cannot call the Forms Warehouse direct because they have an unlisted telephone number. (FF-S2-A)

**COMPETITIVE PLACEMENT PLAN - JOB OPPORTUNITIES:**

<u>Annct. No.</u>	<u>Position &amp; Grade</u>	<u>Area of Consideration</u>	<u>Open/Close Date</u>	<u>Location</u>
CPP 049-99P	AST, Human Factors, GS-801-14	NASA/KSC Civil Service Employees	4-2-99/4-9-99	EI
CPP 050-99	Supv, AST, Ground Data Systems, GS-854-13 (g.p. to GS-14)	"	4-2-99/4-9-99	VC-B2
CPP 051-99	AST, Electronic Instrumentation Systems, GS-855-14	"	4-2-99/4-9-99	PK-F
CPP 052-99	AST, Telecommunications, GS-855-14	"	4-2-99/4-9-99	PK-F
CPP 053-99	AST, Technical Management Systems, GS-801-14	"	4-2-99/4-9-99	PZ-Q
CPP 054-99	AST, Navigation, Guidance & Control Systems, GS-861-144	"	4-2-99/4-9-99	PK-K
CPP 055-99	AST, Flight Structures, GS-861-14	"	4-2-99/4-9-99	PK-H
CPP 056-99P	Paralegal Specialist, GS-950-11	"	4-2-99/4-9-99	MM-E
CPP 057-99P	AST, Technical Management, GS-801-14	"	4-2-99/4-9-99	DP
CPP 058-99P(T)	AST, Technical Management, GS-801-14	"	4-2-99/4-9-99	DP
CPP 058-99P(T)	AST, Technical Management, GS-801-14	"	4-2-99/4-9-99	DP
CPP 059-99	Supv, AST, Ground Data Systems, GS-854-13/14 (g.p. to GS-15)	"	4-9-99/4-16-99	NN-J
KSC 99-13	Patent Attorney, GS-1222-13/14 (g.p. to GS-15)	All Sources	4-12-99/4-23-99	MM

Applicants must submit an application (OF 612, Optional Application for Federal Employment, or the KSC Form 13-283, Short Form) for these positions. Applications should be submitted to Human Resources Policy, Development and Operations Branch (HM-A-3), HQ, Room 1404. (HM-A-3)

**AUTHENTICATED:**



Ann Gary, Center Services (FF-S2-A)

**USE ENERGY EFFICIENT BULBS WHENEVER POSSIBLE. THEY MAY COST A LITTLE MORE TO PURCHASE, BUT YOU SAVE MORE IN THE LONG RUN.**

U N O F F I C I A L

CAFETERIA MENU FOR WEEK OF April 12 THROUGH APRIL 16

<b>*MONDAY</b> Split Pea Soup Chicken Parmesan W/Spaghetti Beef Stew o/Rice Hot Deli Sandwich- Roast Beef	<b>*TUESDAY</b> Chicken Barley Soup HEALTHY FARE- Baked Steak w/Creole Sauce Batter Dipped Fish w/ French Fries & Cole Slaw Hot Deli Sandwich- Roast Pork	<b>*WEDNESDAY</b> Cream of Spinach Soup HEALTHY FARE- Boneless Breast of Chicken o/Rice 3 Stuffed Shells w/Meat Sauce Hot Deli Sandwich- Corned Beef	<b>*THURSDAY</b> Black Bean Soup HEALTHY FARE- Pork Casserole Chicken Tetrazini Hot Deli Sandwich- Roast Turkey	<b>*FRIDAY</b> Seafood Bisque Soup HEALTHY FARE- Baked Catfish w/Hushpuppies Fried Catfish w/Hushpuppies Barbecue Pork Spare Ribs o/Rice Hot Deli Sandwich- Baked Ham
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\*Assorted vegetables, salads, desserts, and beverages available daily. Vegetable soup available daily - bowl \$1.10/cup \$.60. Vegetable plate available daily—three vegetables for \$2.20. Each Wednesday and Friday a “Cook’s Special of the Day” is available and will be posted in each cafeteria. Menu subject to change due to market conditions or availability.

**NASA EXCHANGE:** The Book Fair is coming! The Book Fair is coming! Here's the schedule:

April 8 and 9	HQ Building	Cafeteria
April 15 and 16	O&C Building	Room 1055
April 22 and 23	MFF Building	Cafeteria
April 29 and 30	SSPF Building	Cafeteria

Cat lovers had their “MEOW” last week. Now it’s the Dog lovers turn to “BARK” in the spotlight. We have Akitas to Yorkshire Terriers and everything in between so come in and get yours before they’re gone! Just a reminder, Secretary’s Day is a little more than a week away. We will have balloons and other goodies for that secretary you couldn’t function without!

**KSC EXCHANGE SERVICE STATION:** Lube, oil, and filter—just \$18.95, includes up to 5 quarts of oil, check fluid levels, tires and pressure, belts, hoses, alternator, and battery, and a visual safety check. For appointment, call 453-1254. Towing services are available.

**KENNEDY SPACE CENTER FEDERAL CREDIT UNION REPOS:** Repos located at the Merritt Island office. 1998 Nissan Frontier, 2wd, \$10,700; 1995 Chrysler Sebring, \$9995; 1995 Chevy Van G20, \$14,500; 1995 Mercury Tracer, \$4495; 1995 Voyager, V6, \$6495; 1991 Mazda Navajo, 5-speed, \$5500; 1994 Dodge Caravan, \$8000. Call 455-9400, ext. 251.

**INTERNATIONAL ASSOCIATION OF ADMINISTRATIVE PROFESSIONALS (IAAP):** The Central Brevard Chapter of IAAP, formerly Professional Secretaries International, will host their annual Professional Secretaries Day Luncheon on Wednesday, April 21, at the Radisson Resort at the Port, located at 8701 Astronaut Boulevard, Cape Canaveral. Registration begins at 11:30 a.m., followed by a luncheon from 12:00 noon to 1:00 p.m. The Chapter's focus is to promote professional growth of administrative professionals and to educate the public about their important role in the workplace. Sandra P. Chandler, CPS, Candidate for Treasurer on the International Board of Directors of IAAP, will speak on Pride in Professionalism. The Chapter, which is celebrating their 38<sup>th</sup> year, will receive a resolution proclaiming April 18-24 as Professional Secretaries Week from Brevard County Board of County Commissioners. All administrative professionals and their executives are invited to attend. The \$13 luncheon ticket includes an Avery-Dennison office product sample package and a gift from the Chapter. RSVP to Joan Ostman, CPS, 631-5366 by Friday, April 16.

**NASA CENTERS SKI WEEK 9:** Kennedy Space Center is hosting NASA Centers Ski Week 9, an 8 day/7 night trip to Big Sky, Montana on January 22-29, 2000. The trip is open to all NASA & Contractor employees, their families and friends. The price of \$1089 per person (double occupancy) includes round trip air fare from Orlando to Bozeman, all ground transportation, 5 of 6 day lift pass, 7 nights lodging at the Huntley Lodge, welcome party, Theme Banquet with entertainment, and Souvenirs. The Huntley Lodge includes a daily breakfast and is ski in - ski out. The standard room has two queen beds, a coffee maker, and a mini refrigerator. Option for sixth day skiing is available. Non-ski options and child prices are also available. This mountain has been upgraded over the last few years and contains many slopes from beginner to expert. Other available activities include: Snowmobiling at Yellowstone Park, Sleigh Ride Dinners, and Dog sled rides. INTEREST IS VERY HIGH FOR THIS TRIP and only limited seats are available. They will be available only on a FIRST COME - FIRST SERVED BASIS. For further information or applications, contact: Richard Miller (KSC Trip Leader) at 861-3961 or **Richard.Miller-1@ksc.nasa.gov**.

**BREVARD COMMUNITY COLLEGE:** BCC announces Saturday “Logistics” Classes starting April 10. BCC's Logistics Certificate Courses will be offered on Saturdays beginning with “Supplier Management, Facilities, Packaging and Transportation” on April 10 at the NASA Education facility. Three remaining required courses will be presented May 8, June 12 and July 10. BCC planning requires interested personnel to PREREGISTER (MANDATORY) BY APRIL 7, 1999. Please call 449-5046.

**EMBRY-RIDDLE UNIVERSITY:** Embry-Riddle University will be offering a Master of Science in Industrial Optimization Degree Program on-site at KSC beginning August, 1999. The 2-year program is designed to assist scientist and engineers in developing optimization and statistical quality improvement skills for product design and process improvement. The courses will be taught one-at-a-time in a 9-week term format. This practical program will use aerospace case studies and emphasize computer applications. For more information and schedule of classes, send an email message to **osborned@db.erau.edu** or contact Dr. Deborah Osborne, Program Coordinator, at 904-226-7688.

**FLORIDA INSTITUTE OF TECHNOLOGY:** Registration for the Summer term is ongoing through April 30. Florida Tech is currently located at the NASA Education and Training Center, B Avenue and 2nd Street (Industrial Area). Classes begin on May 3. New student applications are accepted year round. Florida Tech offers a variety of master's degree programs at our Spaceport site, e.g., Master of Science in: Computer Information Systems, Space Systems, Management, Acquisition and Contract Management. Please call 453-2030 for a catalog and/or schedule.

**WEIGHT WATCHERS AT WORK:** Join us at the first meeting on April 15, HQ, Room 2414, 11:30 a.m. The program must have 15 to start, so invite your friends. For more information call Marilyn at 452-0884.

**PERSONALITY PREFERENCE TESTING:** Robin Lusardi and Sherryl Vida of our **CTAP** office are certified to administer and interpret **The Myers-Briggs Type Indicator** evaluation. Discover the real YOU! Capitalize on your personality type and communication skills. They will also meet with NASA work groups to discuss how working productively and smoothly requires an understanding of ourselves as well as our co-workers. Telephone Robin or Sherryl at **CTAP**, 867-4350.

**CTAP:** The Career Transition Assistance Program is available to assist the KSC NASA employee. Support areas include resume writing, interviewing, job search activities, starting your own business, consulting, and many other self-help programs. We have a research and reference area, a computer lab with special software, and links to the Internet. Co-located with CTAP is an Employment Specialist from the Florida Department of Labor. CTAP is located in HQ, Room 1355, 7:00 a.m. to 3:30 p.m.; you may also access us through the NASA KSC homepage (see: PERSONNEL/CTAP). Whether you are interested in individual counseling, dynamic workshops, or “surfing on your own,” CTAP can help! Call 867-4350 for further information. April Schedule: Resume Writing, 1<sup>st</sup>; Interviewing, 13<sup>th</sup>; Job Searching, 15<sup>th</sup>; Brown Bag, 20<sup>th</sup>; Skills Assessment, 22<sup>nd</sup>.

**P E R S O N A L**

**CARPPOOLS**

Vanpool seats: Daytona/Port Orange/New Smyrna to OPF/VAB/LCC Areas, 6:30/7:00-3:30, Steve, 861-1485/904-238-3629.  
Vanpool seats: IHB/Satellite Beach/PAFB/CB/CC to CCAS/KSC Industrial Area, 7:30-4:30, Anderson, 867-6135/777-5632.  
Vanpool seats: Satellite Beach/CB/CC to CRCA/LOG/OSB/VAB/LCC Areas, 7:00-3:30, Wendy, 861-6001/773-5822.  
Vanpool seats: Melbourne Beach/Indialantic/IHB/CB/Cape Canaveral to CCAS/KSC Industrial Area/VAB, 7:15-3:45, Goodrich, 867-6956/725-7383.  
Vanpool seats: Melbourne to LC-39, 7:00-3:30, seats available, John Coriell, 861-5620/259-1955.  
Vanpool seats: N. Melbourne/Eau Gallie via U.S. 1 to KSC Industrial Area, 7:30-4:00, Don, 867-4634.  
Vanpool seats: Palm Bay/Melbourne/Viera to KSC Industrial Area, 7:00-3:45, Steve, 867-3812/724-5436.  
Vanpool seats: Palm Bay/Melbourne to KSC Industrial Area, 7:30-4:00, Ed, 867-4500/676-2533.  
Vanpool seats: Palm Bay/Melbourne (Eau Gallie Blvd.)/Suntree (Budgetel Inn) to KSC Industrial Area, 8:00-4:30, Ed, 867-3898/984-3861.  
Vanpool seats: Palm Bay/Suntree to LC-39/OPF/Logistics/OSB/PCC, 7:00-3:30, Mark, 861-0991/725-6677.  
Vanpool seats: Palm Bay/Eau Gallie/Suntree to USBI/OSB/LCC/VAB/OPF Areas, 7:00-3:45, Dan, 861-2488/952-8840.  
Vanpool seats: Palm Bay/I-95-Malabar Road/Melbourne to CCAS Industrial Area, Rick, 853-9807/722-3649.  
Vanpool seats: Rockledge/Cocoa Areas to KSC, 6:45-3:30, home pickup possible, Richard, 867-2380/639-2974.  
Vanpool seats: Daytona/New Smyrna to OPF/VAB/LCC/Pads/ARF, 7:00-3:30, Tom, 867-7042/904-409-3923.  
Vanpool seats: E. Orlando/Hwy. 50 Tiffanys/Wal-Mart/Bithlo to LC-39 Areas/Heavy Equip./OSB/Complexes/PCC, 7:00-3:30, Gene, 861-0731/677-7394.  
Vanpool seats: Orlando/Conway Area via Hwy. 50 to KSC North Areas, 7:00-3:30, Schaefer, 861-5640/273-3048.  
Vanpool seats: Orlando/Conway/Union Park/Bithlo to VAB, USBI, OSB & Wiltech Areas, 7:00-3:45, Fishell, 861-2470/407-859-4009.  
Vanpool seats: Orlando Fashion Square/Hwy. 50/Sam's Club to O&C/HQ/CIF/LC-39 & Logistics Areas, Al, 867-4457/894-3068.  
Vanpool seats: Orlando/West 50 & Hiawassee/Metro West/Goldenrod & E/W /Alafaya & 50 to KSC Industrial Area, 7:15-4:00, Ed, 867-3587/299-7543.  
Vanpool seats: E. Colonial at Alafaya to KSC Industrial Area, 7:30-4:00, Don, 867-6010/365-0586.  
Vanpool seats: E. Colonial at Alafaya/419 Park & Ride to KSC Industrial Area, 7:00-3:30, David, 867-7138.  
Vanpool seats: E. Colonial at Dean Road/419 Park & Ride to KSC Industrial Area, 7:00-4:00, Browning, 867-7468/277-8997.  
Vanpool seats: W. Colonial/Kirkman Road/Dean Road/Bithlow Park & Ride to LC-39 Areas, 7:00-3:30, Hall, 861-5355/422-3681.  
Carpool: Melbourne to KSC Industrial Area, Dominguez, 867-3072/952-9460.  
Carpool: Rockledge/Levitt Park Area to VAB Area, non-smoking, looking for 4th carpool member, 7:00-3:30, Betty, 867/2326/636-3175.  
Carpool: Oviedo/Winter Springs to KSC Industrial Area, non-smoking, 7:00-4:30, 8/9's, 1-8, second Friday off, Koval, 867-1185/365-5724.  
Carpool: Oviedo to OSB, 7:00-3:30, looking for additional member, Asli, 861-4149/359-0506.  
Ride needed/form carpool: Coventry of Cocoa (Highway 524) to O&C Building, 8:00-4:30, Setzer, 867-8681/639-9062.  
Ride needed/form carpool: Daytona Beach to SSPF, non-smoker, 8:00-4:30, Ray, 867-0789.  
Ride needed/form carpool: N. Melbourne/Indialantic/Satellite Beach to CCAS/LOCC/CX36, 7:00-3:30, Cyrus (Siroos), 853-3361/259-5641.  
Ride needed/form carpool: Rockledge to CCAS/ROCC, 7:00-3:00, Wallace, 853-5211/633-9434.  
Ride needed/form carpool: Titusville, Highway 50 and Barna to HQ/O&C Areas, non-smoker, 7:00-3:30, flexible, Zeitlin, 861-7909/269-2695.  
Ride needed/form carpool: Titusville, U.S. 1 to Patrick AFB, AFTAC Area, Shawn, 867-3073/259-6679.  
Ride needed/form carpool: S. Titusville to CCAS Industrial Area, non-smoker, 7:00-3:30, Williams, 853-2592/268-2974.  
Ride needed/form carpool: Sand Lake/436/Bee Line to USBI-ARF, 7:30-4:00, Vince, 867-7032/855-4548.

**GARAGE SALE**

Garage sale: April 9-10, 8-4, Canaveral Groves, 4920 Banana Avenue, Pine Street, Hamilton, 639-7894.

**REAL ESTATE FOR SALE**

House: Cocoa North, 3-B/R, 2-bath, 1-car garage, 1.0 acre, convenient location, \$57,000, Perez, 453-4720.  
House: Titusville, 4-B/R, 2 1/2-bath, 1526 sq. ft., screened porch, fenced yard, security system, \$59,900, 267-1543.  
Duplex: Cocoa, 3-B/R, 1 1/2-bath, fenced backyard, \$30,000, McGilvray, 631-3016, after 5:00 p.m.  
Mobile home: Merritt Island, 2-B/R, 2-bath, 12'x55', partially furnished, screened patio, \$9500/B.O., Mike, 452-1106.

**AUTOMOBILES & RV'S FOR SALE**

1968 Chevy Malibu, purchased for motor & transmission only, to be rebuilt, \$750/B.O., Kelley, 452-7728.  
1982 Coachman motorhome, 26', self-contained, \$7950; 1986 Ford F-150, 4wd, 4.9L, new 35" tires, \$3000, Jim, 633-1073.  
1983 Chevrolet 3/4 ton pickup, V8, standard transmission, camper shell, 77,000 miles, runs good, body rusty, \$1000/B.O., Wood, 777-2681.  
1985 Ford Tempo, cold A/C, 31 mpg, 84,000 miles, runs great, \$1000, Nicole, 636-2332.  
1986 Mazda RX7, 5-speed, A/C works, looks/runs good, \$1200, Bell, 452-4224.  
1986 Pontiac Fiero, runs good, \$1200/B.O., Davis, 268-3416.  
1986 Merkur XR4TI, A/T, new tires/brakes, no rust, runs good, \$1000, Pulz, 453-8844.  
1988 Chevy Corsica, 4-cylinder, A/C, A/T, P/W, P/L, AM/FM, new brakes/alternator/starter, warranty, runs great, good body, \$1300, Mike, 269-1503.  
1988 Saab 9000S, 5-speed, new tires/battery, 140,000 miles, maintenance manuals, excellent condition, Villarreal, 453-4448.  
1990 Geo Prizm, 4-door, A/C, A/T, AM/FM/cassette stereo, P/S, P/L, original owner, all records, 126,000 miles, \$3200/B.O., Mosdell, 268-3913.  
1990 Jeep Comanche Eliminator pickup, 4wd, 93,500 miles, runs great, \$5500, O'Steen, 268-8236.  
1991 Coachman popup camper, like new, only been used 3 times, Lannie, 264-0277.  
1991 Honda Accord LX, 4-door, maroon, garage kept, original owner, 96,000 miles, excellent condition, \$5850, Brisson, 784-5314.  
1992 Chevy Beretta, 4-cylinder, 5-speed, 180 mph, ABS, airbag, A/C, AM/FM/CD, P/S, tilt wheel, P/B, P/W, P/L, C/C, \$3900/B.O., 264-1370, after 5 p.m.  
1994 GMC Sonoma pickup, extended cab, 4-cylinder, 5-speed, 74,000 miles, \$7995, DeWitt, 636-8856.  
1994 Nissan Pathfinder, A/C, A/T, P/D, P/W, C/C, AM/FM, tow package, keyless entry, security system, excellent condition, \$12,000, Bob, 267-0966.  
1994 Chevy Camaro, Z28, LT1, 5.7, V8, 6-speed, T-tops, loaded, full power, 51,000 miles, garage kept, \$10,900, Priest, 799-4335.  
1994 Ford Ranger, 4-cylinder, manual transmission, green, topper, \$4750, Lisa, 631-9616.  
1995 Nissan Altima GXE, A/C, A/T, P/W, P/L, C/C, tinted windows, cassette, 48,000 miles, \$8500, 453-7319.  
1995 Nissan king cab, XE, V6, loaded, A/C, A/T, P/B, C/C, P/S, AM/FM/CD, tinted windows, immaculate condition, \$12,500, Potts, 631-4208.  
1995 Ford F-150 supercab, 4wd, 5-speed, dual tanks, Tonneau cover, new tires, CD, bug deflector, \$15,000 w/warranty, \$14,000 w/o warranty, 269-1616.  
1996 Ford Ranger XLT extended cab, 4-cylinder, 5-speed, A/C, 45,000 miles, excellent condition, \$9800/B.O., Dave, 636-5136.  
1996 Honda Civic EX coupe, 5-speed, CD changer, low miles, full power, sunroof, like new, \$12,500/B.O., Price, 784-2905.  
1998 Pontiac Trans Am, bright red w/gray leather interior, high polished 17" wheels, 500 watt Monsoon stereo/CD, 11,000 miles, \$25,000/B.O., 984-8993.  
Coachman popup camper, A/C, sleeps 5, excellent condition, \$3200, DeWitt, 636-8856.

**HOUSEHOLD FURNISHINGS FOR SALE**

Antiques: oak kitchen table, \$200; French inlaid end tables, \$300/pair; large cherry desk, \$400; wrought iron table, 4 chairs, \$125, Judy, 267-1700.  
China hutch, \$35, Driggers, 693-1105.  
Cargo top bunkbed, 1/2 ladder, 1/2 solid, \$325, Venuto, 452-3609.  
Heavy solid oak pedestal kitchen table, round, \$160, Friend, 383-1110.



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**HOUSEHOLD FURNISHINGS FOR SALE** (Continued)

Wooden bunkbeds, \$95, Scholefield, 636-4119.  
King orthopedic bed, mattress, box springs, 18-months old, excellent condition, \$250, Ogle, 453-2325.  
Simmons whitewashed maple crib, 3-drawer dresser/changing table, mattress, bumpers, like new, \$375, Ted, 268-5030.  
King waterbed, bookcase headboard, liner, mattress, heater, excellent condition, \$50, 783-8535.  
Solid pine single bed w/bunk board, \$10, Alex, 383-0246.  
Sleeper sofa, blue, excellent condition, \$200; double bed w/wooden headboard & footboard, mattress, good condition, \$75, Bass, 636-9663, evenings.  
White crib, \$70, D'Amico, 631-6563.  
Bistro table, 4 chairs, white wrought iron w/white leather, \$200, Rhoads, 632-0694.

**APPLIANCES FOR SALE**

Sears compact freezer, 3.9 cu. Ft., \$85, DeBusman, 267-8335.  
Kenmore refrigerator, 17 cu. Ft., 3 years old, white, \$300; G. E. stove, almond, self-cleaning oven, electric, 2 total, negotiable, Eitel, 799-0341.  
Microwave, works good, \$50; range rood, white, good condition, \$20, Thomas, 636-5658.  
G.E. washer, 8-cycle, white, \$275; gas dryer, \$275; refrigerator, 21 cu. ft., 1 year old, \$550, 638-3672.

**MOTORCYCLES & EQUIPMENT FOR SALE**

1983 Yamaha Venture, good condition, \$1100, Monaghan, 268-4868.  
1991 Yamaha RT180 dirt bike, \$600, Jim, 633-1073.  
1997 Kawasaki Vulcan, 1500 cc, Willie Max bags, windshield, black & red, 5300 miles, sharp, \$5995, Wayne, 454-4117.

**BOATS & EQUIPMENT FOR SALE**

17' Maxum, 1992, 75 h.p. Mercury, stainless steel prop, depth finder, trailer, excellent condition, \$4700, Perez, 453-4720.  
19.5' Aquasport, center console, 1985, 140 h.p. Johnson (needs work), nice boat, \$2500, Jim, 633-1073.  
20' Aquasport, 200 h.p. Evinrude, new powerhead, 10 hours, giant fish box, leaning post, live well, recessed rod holders, trailer w/winch, \$5500, 459-2601.  
20' bowrider, V-hull, V6, 150 h.p. Evinrude, aluminum trailer, extras, looks/runs great, \$2250, Miller, 783-2109.  
22.2' Aquasport cuddy cabin, 150 h.p. Mercury, loran, depth VHF, AM/FM/cassette, tandem trailer w/brakes, extras, \$7400, Halavin, 631-6560.  
23' Glastron cuddy cabin, 1989, Mercury 454, V8, Bravo I outdrive, never been in salt, serious inquires only, \$13,995, Pack, 690-0869.  
24' pontoon, 55 h.p. Evinrude, needs work, no trailer, you move, \$1000/B.O., Hanson, 632-7996.  
25' Proline cuddy cabin, 1989, 9 1/2' beam, twin 140 h.p. Evinrudes, T-top, excellent condition, \$15,500, 454-9144.  
1959 Flowers, wooden hull, 35 h.p. Evinrude Lark, trailer, \$700/B.O., Morgan, 267-5486.  
1984 Chaparral, 80 h.p. Mercury, stainless steel prop, fishfinder, galvanized trailer, \$1800, Fiers, 633-7579.  
1995 Bass Tracker, 1996 50 h.p. Tracker motor, 1998 galvanized trailer, 13 gallon gas tank, 30 h.p. trolling motor, fishfinder, \$7500/B.O., Tom, 269-9401.  
Sailboards: F2 Lighting w/2 sails, \$140; Hi-Fly, as-is, \$25, Fleming, 452-7755.  
1995 Sea Doo SPX, looks/runs great, vests included, new trailer, \$3500, Stevens, 453-3330.  
1996 Polaris XLS 780 jet ski, only 24 hours use, warranty, trailer, \$3000/B.O., Rusty, 268-1578.  
1985 Evinrude 140 h.p. outboard, new controls, completely overhauled in 1997, \$3000/B.O., McQuown, 383-4253.  
Outboard motors: 25 h.p. Johnson, \$800; 35 h.p. Honda, \$1500, Curry, 454-4788.  
Mariner, 5 h.p. air-cooled, \$375, Roberts, 264-0263.  
Galvanized jet ski trailer, \$150, Jordan, 267-6766.  
Marine small block Chevy parts: distributor, 2-barrel carburetor & manifold w/flare arrester, motor mounts, more, \$100, 783-0808.  
Stainless steel propeller, 25" pitch Mercury chopper, \$100; outboard whale-tail, \$10, Jim, 268-3721.  
Compass, Ritchie SP5, stainless steel base, cover, \$275; Bruce anchor, BA15, 7.5 kg/16.5 pounds, new, \$125, 783-4818.  
3 strand nylon dock lines w/eye splice, Mercruiser outboard manuals; marine bilge pumps; boat horn; anchor/dock lines, more, Gross, 452-2170.  
Sea Doo vest, size small, \$20, Milert, 264-4680.

**MUSICAL INSTRUMENTS & ELECTRONIC EQUIPMENT FOR SALE**

Dayton computer fans, 110 volt & 220 volt AC, \$10/each, 783-0808.  
Motorola flip telephone, 2 batteries, accessories, \$25, Usher, 984-7510.  
33.4 kb internal modem, fax, data & voice, works perfect, \$25/B.O., Vince, 452-2520.  
Sanyo digital camera, 3X zoom, 2" LCD, flash, new, \$340, Thomas, 269-0423.  
Pentium 120, 32 Mb Ram, 3.1 GB H/D, CD ROM, modem, 15" IBM monitor, 3.5" floppy, keyboard, mouse, speakers, \$395, Mathes, 253-2424.  
HP Laserjet printer, Series II, excellent condition, \$200, Humphreys, 242-8826.  
Sylvania 19" color TV, remote, \$75, DeBusman, 267-8335.  
Printer for wide paper, black & white, Roy, 453-5535.  
Hammond organ w/rhythm box, excellent condition, \$150, Alex, 383-0246.  
Super Nintendo w/games, \$40, D'Amico, 631-6563.  
486/66 MHz motherboard, 32 bit/1 meg video card, 348 meg H/D, 1X CD ROM, Soundblaster 16, modem, 133 MHz Pentium CPU, \$50/all, B.O., 264-3266.

**MISCELLANEOUS FOR SALE**

Jacuzzi pool/spa pump, 1 h.p., \$100; PVC pool ladders, 2 total, \$25/each, Buchner, 636-1604.  
Hitch for Chevy Astro van, heavy duty, \$100, Driggers, 693-1105.  
5.0L Motorsport blue anodized aluminum 3-piece underdrive pulley set, \$75, Grissom, 267-7607.  
12' sliding glass door, 3 panel, middle traveler, \$140, 783-0808.  
Homelight gas brush cutter, runs good, \$45/B.O., Jim, 268-3721.  
Image 4.0 workout machine w/3 standing weight stations, weights not included, \$150, Ogle, 453-2325.  
American racing rims, 14", 4 lug, set of 4, locking lugs, like new, \$200, Wentworth, 268-4125, after 5 p.m., leave message.  
Golf clubs: DCI copies, driver, 3 wood Cobra copy, 3 iron through pitching wedge, 1 year old, \$250/B.O., Fred, 639-6926.  
Full sized pool table w/ball return, excellent condition, \$750/B.O., Kelley, 452-7728.  
5 Sago palms, 7 gallon, \$35/each; 6 Pygmy Date palms, 7 gallon, \$35/each; 8 Live Oak trees, \$10/each, Syverson, 264-4429.  
50' field fence, 4' high w/posts, used, Kelley, 452-7728.  
Large carpeted animal/reptile cage, needs door, , will need flatbed to move, \$100, Kelley, 452-7728.  
Sport Rider exercise machine, \$35, Carden, 259-8329.  
Coke machine, 5-sections, works/looks great, \$600/B.O., 264-1934.  
Rubber mat for small/mid-size pickup bed, \$10; Beanie Babies: Millennium bear; Signature bear, many more, cheap, DeBusman, 267-8335.  
4 factory 16" aluminum wheels, 6 lug, w/LT265/75R16 tires, off 1994 Chevy Z71 pickup, wheels excellent condition, \$325, 636-3137.  
Proform space saver treadmill, 0-10 mph, incline, \$310/B.O.; Sears Craftsman band saw, 12", \$260/B.O., Hardy, 636-8839.  
Aluminum plate glass window, 60"x71 1/2", double pane, tempered glass w/reflector shield, \$175, Thomas, 269-8753.  
Eico 667 Dynamic Conductance tube tester w/large box of tubes, \$80/B.O., Fleming, 452-7755.  
Tickets: Sunset Boulevard w/Petula Clark, Bob Carr auditorium, May 13, 8 p.m., Thursday evening, 2 total, \$42.30/each, Page, 631-5156.  
29 gallon aquarium, stand, filter, hood, \$40; 20 gallon aquarium, wooden stand & hood, 3 lights, 3 filters, chemicals, fish, \$140, Fields, 264-2856.  
Power Rider, \$40, Thomas, 636-5658.  
Rubbermaid yard trailer for tractor, 39"x28"x16", new, \$80; Lours Garden Plus broadcast spreader, pull-behind, tractor mower, \$40, Bruno, 633-6062.  
Aprica double stroller, \$60, D'Amico, 631-6563.  
Deep sea reels: Penn Senator 10/0, \$100; Penn Peer #309, \$20; Shimano TLD Star 15/30, \$50, all excellent condition, Gainer, 268-0169.  
Class III hitch/harness, brush/grill guard, for 1995-1997 Rodeo/Passport, \$250, Jim, 633-1073.  
Diamond engagement ring, 1 carat, 2-tone, still in box, \$1500, Roberts, 639-3476.  
Water cooler, stand, 5 gallon, \$40, Mike, 264-4680.  
Shuttle patches: STS-1 through STS-60, framed, labeled, mounted, B.O., Hoyle, 777-3775.  
Sears Cardiofit, excellent condition, \$75, Shirley, 269-4984.  
Aluminum slotted wheels for Chevy or Toyota pickup, 10"x15", set of 4, \$100; Go-Kart, 5 h.p., new clutch, 2 new tires, \$375, Jordan, 267-6786.  
1975 Hummel plate, \$100/B.O., Naylor, 452-2187.  
Proform cross-trainer electric fitness center, stair step/butterfly/vertical press/rowing/leg press/multiple other tasks, \$400/B.O., 267-8990, leave message.  
Bows, PSE Carroll Mavauder, Hoyt Enticer 3-D, \$150/\$350, Rick, 253-5992.  
Model of Space Shuttle, 5'x7', Styrofoam, painted, \$175, Dave, 383-1593.  
Shop Smith, converts to lathe, planer, saw, etc., never used, \$800, Ehrlich, 904-428-4295.  
55 gallon saltwater aquarium w/black lacquer stand, \$250; 29 gallon setup w/black lacquer stand, \$95, Karwacki, 633-6197.

**MISCELLANEOUS WANTED**

Rototiller, 5-8 h.p., prefer less than 10 years old, need not be running, Vince, 452-2520.  
Someone w/Jackhammer to remove concrete slab, about 4'x4', indoor environment; draperies & sheers, assorted sizes, Richard, 453-0120.  
Metal single or double carport, Gurnavage, 631-7923.  
Flowbee hair cutter; Pet Flowbee, Karen, 268-3324.  
Loveseat w/pullout bed; coffee table; end table lamps, Lewis, 264-5950.  
Little girl's toys: Barbie stuff, games, doll stuff, good condition, reasonable, Schurman, 456-9957.  
Large framed mirrors; crown molding or baseboards; paint roller system or sprayer; Davis classic wooden tennis racket, Carter, 264-0565.  
The Great Books of the Western World set by Encyclopedia Britannica, good condition, reasonable, Carr, 383-9470.  
Crager stainless steel 5-spoke wheels, chrome, 15"x6" or 14"x6", Jim, 636-3681.  
Factory repair manual for 1993 Mercury Tracer, Hueckel, 242-1097.

